

SYSTEMS AND METHODS OF ATTACHING A COVER TO A TEXT BODY

ABSTRACT

Systems and methods for attaching a cover to a text body to create bound documents with floating and attached spines are described. In some embodiments, a solid pressure sensitive adhesive film is applied between a cover and the side hinge areas of a text body, and a cover is bound to the side hinge areas of the text body with pressure. A solid pressure sensitive adhesive tape may be dispensed from an adhesive dispenser that includes a plug-in cartridge housing, a supply spool, and a take-up spool. In other embodiments, an adhesive sheet that includes a hot melt adhesive film and a backing is applied to the text body, with the hot melt adhesive film in contact with the side hinge areas and the spine of the text body. The hot melt adhesive is exposed in areas corresponding to the side hinge areas of the text body for attaching the cover to the text body. In one embodiment, an adhesive sheet includes a hot melt adhesive film and a backing layer that is attached to the hot melt adhesive film and has one or more slits extending in a substantially longitudinal direction. The slotted backing layer is configured to expose the hot melt adhesive upon stretching of the backing layer in a direction substantially orthogonal to the longitudinal direction.